

INFORMATION DISCLOSURE STATEMENT

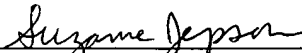
Applicant : Bergquist, et al.
App. No : 10/530,314
Filed : April 4, 2005
For : RANDOM DRIFT MUTAGENESIS
Examiner : Unassigned
Art Unit : 1642

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

March 3, 2006

(Date)


Suzanne G. Jepson, Reg. No. 51,848

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:


Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing twenty-one (21) references to be considered by the Examiner. Also enclosed are twenty (20) foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 3, 2006

By: 
Suzanne G. Jepson
Registration No. 51,848
Attorney of Record
Customer No. 20,995
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 2

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| Application No. | 10/530,314 |
| Filing Date | April 4, 2005 |
| First Named Inventor | Peter Leon Bergquist |
| Art Unit | 1642 |
| Examiner | Unknown |
| Attorney Docket No. | ALAR4.001APC |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | Document Number Number - Kind Code (if known) Example: 1,234,567 B1 | Publication Date MM-DD-YYYY | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|-------------------|----------|---|--------------------------------|-------------------------------|--|
| | 1 | 6,323,030 B1 | 11-27-2001 | Stemmer | |
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| Examiner Initials | Cite No. | Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1 | Publication Date MM-DD-YYYY | Name of Patentee or Applicant | Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear | T ¹ |
|-------------------|----------|--|--------------------------------|-------------------------------|--|----------------|
| | 2 | WO 99/20768 | 04-29-1999 | The Procter & Gamble Company | | |
| | 3 | WO 02/18629 A1 | 03-07-2002 | Macquarie Research Ltd | | |
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
|-------------------|----------|--|----------------|
| | 4 | Cadwell, et al. 1992. Randomization of genes by PCR mutagenesis. <i>PCR Methods and Applications</i> , 2:28-33. | |
| | 5 | Coco, et al. 2001. DNA shuffling method for generating highly recombined genes and evolved enzymes. <i>Nature Biotechnology</i> , 19:354-359. | |
| | 6 | Cohen, et al. 2001. <i>In vitro</i> enzyme evolution: The screening challenge of isolating the one in a million. <i>TRENDS in Biotechnology</i> , 19(12):507-510. | |
| | 7 | Farinas, et al. 2001. Directed Enzyme Evolution. <i>Current Opinion in Biotechnology</i> , 12:545-551. | |
| | 8 | Gibbs, et al. 1995. Cloning, sequencing and expression of a xylanase gene from the extreme thermophile <i>Dictyoglomus thermophilum</i> Rt46B.1 and activity of the enzyme on fiber-bound substrate. <i>Applied and Environmental Microbiology</i> , 61(12):4403-4408. | |
| | 9 | Gibbs, et al. 2001. Degenerate oligonucleotide gene shuffling (DOGS): A method for enhancing the frequency of recombination with family shuffling. <i>Gene</i> , 271:13-20. | |
| | 10 | Joo, et al. 1999. Laboratory evolution of peroxide-mediated cytochrome P450 hydroxylation. <i>Nature</i> , 399:670-673. | |

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|---|-----------------|
| Examiner Signature | Date Considered |
| <p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | |

T¹ - Place a check mark in this area when an English language Translation is attached.

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| Attorney Docket No. | ALAR4.001APC |

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SHEET 2 OF 2

NON PATENT LITERATURE DOCUMENTS

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| | 11 | Joo, et al. 1999. A high-throughput digital imaging screen for the discovery and directed evolution of oxygenases. <i>Chemistry & Biology</i> , 6(10):699-706. | |
| | 12 | Kikuchi, et al. 1999. Novel family shuffling methods for the <i>in vitro</i> evolution of enzymes. <i>Gene</i> , 236:159-167. | |
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| | 15 | Ostermeier, et al. 1999. A combinatorial approach to hybrid enzymes independent of DNA homology. <i>Nature Biotechnology</i> , 17:1205-1209. | |
| | 16 | Shibuya, et al. 2000. Enhancement of the thermostability and hydrolytic activity of xylanase by random gene shuffling. <i>Biochem. J.</i> , 349:651-656. | |
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| | 18 | Stemmer, W. P. C. 1994. DNA shuffling by random fragmentation and reassembly: <i>In vitro</i> recombination for molecular evolution. <i>Proc. Natl. Acad. USA</i> , 91:10747-10751. | |
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| | 20 | International Search Report from PCT/AU03/01314 dated November 17, 2003. | |
| | 21 | International Preliminary Examination Report from PCT/AU2003/001314 dated January 21, 2005. | |
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Examiner Signature

Date Considered

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